

INTERNATIONAL SEARCH REPORT

International Application No
PCT/EP2004/002090

A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 C07D295/084 C07C219/20 A61K31/535 A61K31/4453 A61K31/221
A61K31/4965 A61K31/222 A61K31/54 A61K31/40 A61K31/55
A61P35/00

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 C07D C07C

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, CHEM ABS Data, BEILSTEIN Data, WPI Data

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	R. E. WILLETTE, R. C. DRISCOLL: "4-Amino-2-buten-1-ol Esters" J. MED. CHEM., vol. 15, no. 1, 1972, pages 110-12, XP002310511 table II	1-6
X	----- DATABASE BEILSTEIN BEILSTEIN INSTITUTE FOR ORGANIC CHEMISTRY, FRANKFURT-MAIN, DE; XP002310512 Database accession no. BRN 1771706, 4006779 abstract & WATERS, J. A.; WIESE, G. A.: J. AM. PHARM. ASSOC. SCI. ED., 49, 1960, pages 112-4, ----- -/--	1-6

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

* Special categories of cited documents:

- *A* document defining the general state of the art which is not considered to be of particular relevance
- *E* earlier document but published on or after the international filing date
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- *O* document referring to an oral disclosure, use, exhibition or other means
- *P* document published prior to the international filing date but later than the priority date claimed

- *T* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- *X* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- *Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- * & * document member of the same patent family

Date of the actual completion of the international search

15 December 2004

Date of mailing of the international search report

28/12/2004

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2
NL - 2260 HV Rijswijk
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,
Fax: (+31-70) 340-3016

Authorized officer

Seufert, G

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT		
Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	<p>DATABASE BEILSTEIN BEILSTEIN INSTITUTE FOR ORGANIC CHEMISTRY, FRANKFURT-MAIN, DE; XP002310513 Database accession no. BRN 4997384 abstract & KARAEV, S. F. ET AL.: J. ORG. CHEM. USSR, ENGL. TRANS., 1983, pages 2014-17,</p>	1-6
X	<p>DATABASE BEILSTEIN BEILSTEIN INSTITUTE FOR ORGANIC CHEMISTRY, FRANKFURT-MAIN, DE; XP002310514 Database accession no. BRN 1241554 abstract & STARSHINOVA, L. A. ET AL.: PHARM. CHEM. J., ENGL. TRANSL., vol. 23, no. 10, 1989, pages 818-21,</p>	1-6
X	<p>JOHN. L. NEUMEYER ET AL.: "Pharmacologically active acetylene compounds. I. Structural Modifications of Oxotremorine" J. MED. CHEM., vol. 10, 1967, pages 615-620, XP001204377 cited in the application table I, compounds 19 and 23, table II</p>	1-6,9
X	<p>DATABASE CAPLUS 'Online! CHEMICAL ABSTRACTS SERVICE, COLUMBUS, OHIO, US; ERGASHEV, M. S. ET AL.: "Synthesis and properties of acetylenic amino esters of some aliphatic acids" XP002310515 retrieved from STN Database accession no. 1987:32952 abstract & IZVESTIYA VYSSHIKH UCHEBNYKH ZAVEDENII, KHIMIYA I KHIMICHESKAYA TEKHOLOGIYA, vol. 29, no. 1, 1986, pages 39-41,</p>	1-8
X	<p>DATABASE CAPLUS 'Online! CHEMICAL ABSTRACTS SERVICE, COLUMBUS, OHIO, US; KRUGLIKOVA, R. I. ET AL.: "Synthesis of .gamma.-substituted propargyl alcohols, their ethers and esters" XP002310516 retrieved from STN Database accession no. 1975:409070 abstract & IZVESTIYA VYSSHIKH UCHEBNYKH ZAVEDENII, KHIMIYA I KHIMICHESKAYA TEKHOLOGIYA, vol. 17, no. 12, 1974, pages 1824-7,</p>	1-6
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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

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X	<p>DATABASE BEILSTEIN BEILSTEIN INSTITUTE FOR ORGANIC CHEMISTRY, FRANKFURT-MAIN, DE; XP002310517 Database accession no. BRN 4747631, 1962291 abstract & DZHURAEV, A. D. ET AL.: PHARM. CHEM. J., ENGL. TRANSL., vol. 24, no. 8, 1990, pages 560-62,</p>	1-4,7,9
X	<p>DATABASE BEILSTEIN BEILSTEIN INSTITUTE FOR ORGANIC CHEMISTRY, FRANKFURT-MAIN, DE; XP002310518 Database accession no. BRN 5641606 abstract & ERGASHEV M. S. ET AL.: PHARM. CHEM. J., ENGL. TRANSL., vol. 21, no. 7, 1987, pages 510-2,</p>	1-3,9
X	<p>US 5 039 676 A (SAKSENA ANIL K ET AL) 13 August 1991 (1991-08-13) example 33</p>	1-4
X	<p>DATABASE BEILSTEIN BEILSTEIN INSTITUTE FOR ORGANIC CHEMISTRY, FRANKFURT-MAIN, DE; XP002310519 Database accession no. BRN 1575771 abstract & MACHSUMOW; ABDULLAEV: KHIM. ATSETILENA TEKHNOL. KARBIDA KAL'TSIYA DOKL. VSES. NAUCHNO-TEKH. KONF. 1969, 1972, page 96, 97,</p>	1,3
X	<p>DATABASE BEILSTEIN BEILSTEIN INSTITUTE FOR ORGANIC CHEMISTRY, FRANKFURT-MAIN, DE; XP002310520 Database accession no. BRN 1294043 abstract & ABDURACHIMOV ET AL.: TR. TASHK. POLITEKH. INST., 64, 1970, page 29, 30-32,</p>	1,3
X	<p>DATABASE BEILSTEIN BEILSTEIN INSTITUTE FOR ORGANIC CHEMISTRY, FRANKFURT-MAIN, DE; MAKHSUMOV ET AL.: XP002310521 Database accession no. BRN 1110543 cited in the application abstract & SU 248 687 A 25 March 1976 (1976-03-25)</p>	1,3
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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	<p>P. BADOR ET A L.: "Synthesis of Acetylenic Spirobutenolide Derivatives and Evaluation of their Growth Inhibitory Effect on Cells in Culture" ARZNEIMITTEL-FORSCHUNG, vol. 40, no. 10, 1990, pages 1135-9, XP009041602 cited in the application the whole document</p> <p>-----</p>	1-12
A	<p>DATABASE CAPLUS 'Online! CHEMICAL ABSTRACTS SERVICE, COLUMBUS, OHIO, US; DANIELSSON, BENGT ET AL: "Potential anticancer agents. I. A nitrogen mustard based on orotic acid" XP002310522 retrieved from STN Database accession no. 1969:4003 cited in the application abstract & ACTA PHARMACEUTICA SUECICA , 5(4), 279-82 CODEN: APSXAS; ISSN: 0001-6675, 1968,</p> <p>-----</p>	1-12

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US 5039676	A	13-08-1991	NONE	
SU 248687	A	25-03-1976	SU 248687 A1	25-03-1976